



United Kingdom of Great Britain and Northern Ireland

EDICT OF GOVERNMENT

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BS NA EN 1992-3 (2006) (English): UK National Annex to Eurocode 2. Design of concrete structures. Liquid retaining and containment structures

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MAGNA CARTA (1297)

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NATIONAL ANNEX

UK National Annex to Eurocode 2: Design of concrete structures –

Part 3: Liquid retaining and containment structures

ICS 91.010.30; 91.080.40

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Summary of pages

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National Annex (informative) to BS EN 1992-3:2006, Eurocode 2: Design of concrete structures – Part 3: Liquid retaining and containment structures

Introduction

This National Annex has been prepared by BSI Subcommittee B/525/2, *Structural use of concrete*. In the UK it is to be used in conjunction with BS EN 1992-3:2006.

NA.1 Scope

This National Annex gives:

- a) the UK decisions for the Nationally Determined Parameters described in the following subclauses of BS EN 1992-3:2006:
 - **7.3.1** (111)
 - **7.3.1** (112)
 - **7.3.3**
 - **8.10.1.3** (103)
 - **9.11.1** (102)
- b) decisions on the status of BS EN 1992-3:2006 informative annexes; and
- c) references to non-contradictory complementary information.

NA.2 Nationally Determined Parameters

UK decisions for the Nationally Determined Parameters described in BS EN 1992-3:2006 are given in Table NA.1.

Table NA.1 **UK values for Nationally Determined Parameters described in BS EN 1992-3:2006**

Subclause	Nationally Determined Parameter	Eurocode recommendation	UK decision
7.3.1 (111)	Values of w_{kl}	For $h_D/h \leq 5$, $w_{kl} = 0,2$ mm For $h_D/h \geq 35$, $w_{kl} = 0,05$ mm For intermediate values of h_D/h linear interpolation between 0,2 and 0,05 may be used	Use the recommended values
7.3.1 (112)	Value of x_{min}	The lesser of 50 mm or $0,2h$ where h is the element thickness	Use the recommended value
7.3.3	Maximum bar diameter and bar spacing	Figure 7.103N and Figure 7.104N	Use the recommended values
8.10.1.3 (103)	Value of κ	0,25	Use the recommended value
9.11.1 (102)	Values of t_1 and t_2	$t_1 = 120$ mm $t_2 = 150$ mm	Use the recommended values

NA.3 Decisions on the status of informative annexes

BS EN 1992-3:2006, Annexes L, M and N may be used.

BS EN 1992-3:2006, Annex K should not be used. PD 6687-1¹⁾, includes an alternative informative annex which should be used instead.

NA.4 References to non-contradictory complementary information

BS EN 1992-3 is concerned with the structural aspects of containment structures. Guidance on the design of non-structural features in such structures, and on inspection and testing, can be found in BS 8007 and this may be used where it does not conflict with the requirements of BS EN 1992.

NOTE When all necessary non-contradictory complementary information has been published, BS 8007 will be withdrawn.

CIRIA Report C660 *Early-age thermal crack control in concrete* [1] provides further complementary guidance on the control of early thermal cracking.

¹⁾ In preparation.

Bibliography

Standards publications

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 8007, *Code of practice for design of concrete structures for retaining aqueous liquids*

PD 6687-1, *Background paper to the UK National Annexes to Eurocode 2, Parts 1 and 3*²⁾

Other publications

[1] CIRIA. *Early-age thermal crack control in concrete*. Report C660, CIRIA, 2007³⁾.

²⁾ In preparation.

³⁾ Available from CIRIA, Classic House, 174–180 Old Street, London EC1V 9BP.

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W4 4AL